



# Solenoid valve 3/2 way N.C. Direct acting - NSF Certified

31AP2A1V15-T0

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31AP2A1V30-T0

## PRESENTATION:

Direct acting S.V. for interception of fluids compatible with the construction materials.

Minimum operational pressure is not required.

The materials used and the tests carried out ensure maximum reliability and duration.

**USE:** Vending

**PIPES:** G 1/4

**COIL:** 8W - Ø 13  
BDA - BSA 155°C (class F)  
BDV 180°C (class H)

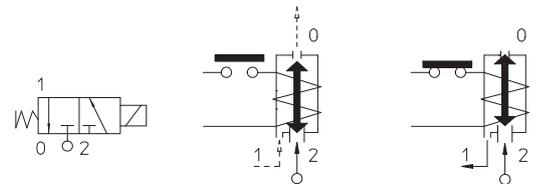
**COIL HOUSING AND COIL FORMER MATERIAL ARE MADE BY 100% VIRGIN MATERIAL.**

Ambient temperature:

See coils catalogue page for its compatibility.



Gaskets	Temperature		Medium
V=FKM (fluoroelastomer)	- 10°C	+140°C	Water, air, steam



Max allowable pressure (PS) 16 bar - According to EN 60730-2-8 - Factor of safety for domestic applications equal to 5 times PS

Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power watt	Pressure		
		cSt	°E				min bar	M.O.P.D	
								AC bar	DC bar
G 1/4	31AP2A1V15-T0	12	~ 2	1,5*	1,1	8	0	15	15
	31AP2A1V20-T0	37	~ 5	2*	1,8			10	10
	31AP2A1V25-T0	53	~ 7	2,5*	2,5			6	6
	31AP2A1V30-T0			3*	3,4			5	5

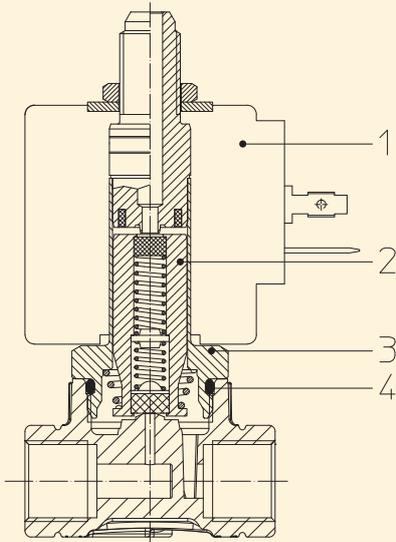
Max allowable pressure (PS) 25 bar - Safety factor for industrial application equal to 3 times PS

Pipe ISO 228/1	Code	Max viscosity		Ø mm	Kv l/mn	Power watt	Pressure		
		cSt	°E				min bar	M.O.P.D	
								AC bar	DC bar
G 1/4	31AP2A1V15-T0	12	~ 2	1,5*	1,1	8	0	15	15
	31AP2A1V20-T0	37	~ 5	2*	1,8			10	10
	31AP2A1V25-T0	53	~ 7	2,5*	2,5			6	6
	31AP2A1V30-T0			3*	3,4			5	5

## Note

\* 3rd way exhaust= Ø 2,5 mm | Max torque for fittings 1,5 Nm, coil nut assembly 2 Nm, armature tube 3 Nm | Evaluate tightening torque for tapered fittings | Use the seal fittings compatible with the material of the body | Available with coil Ex nA | Available also version EPDM and NBR without NSF Approval | For application with steam, please consult our Technical Service | Available on request and with minimum quantities.

The "ODE" reserves the right to carry out technical and aesthetic modifications without prior notification.



#### MATERIALS:

<b>Body</b>	PPS
<b>Armature tube</b>	Stainless steel AISI series 300
<b>Fixed core</b>	Stainless steel AISI series 400
<b>Plunger</b>	Stainless steel AISI series 400
<b>Phase displacement ring</b>	Gold plated copper
<b>Spring</b>	Stainless steel AISI series 300
<b>Seal</b>	V=FKM
<b>Orifice</b>	PPS

#### On request:

<b>Connector</b>	Pg 9 or Pg 11
<b>Connector conformity</b>	ISO 4400

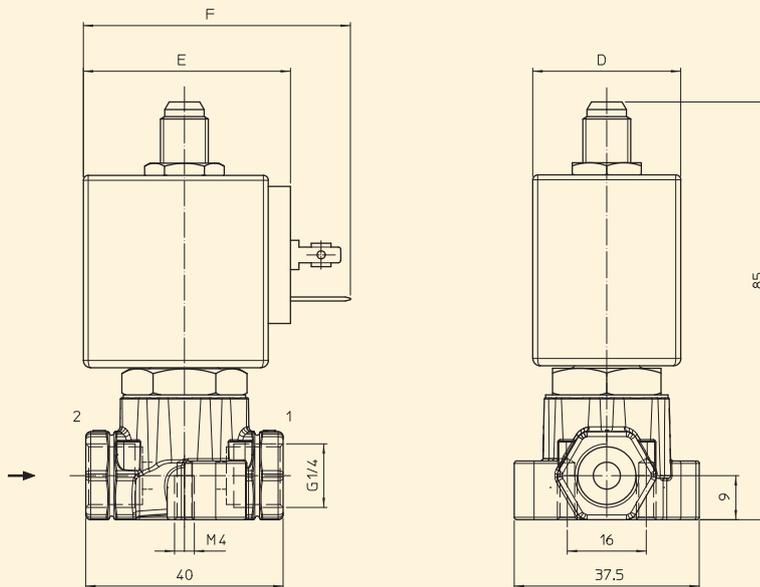
#### FEATURES:

<b>Electrical conformity</b>	IEC 335
<b>Protection degree</b>	IP 65 EN 60529 (DIN 40050) with coil fitted by connector.

#### SPARE PARTS:

1. **Coil:**  
See coils list
2. **Complete plunger:**  
Code R453269/VX
3. **Complete armature tube:**  
Code R451830/D
4. **Gasket O-Ring:**  
Code R990000/VX

#### DIMENSIONS:



COIL TYPE	POWER ABSORPTION			DIMENSIONS		
	W ---	Hold VA ~	Inrush VA ~	D mm	E mm	F mm
B	8	14,5	25	30	42	54